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Approved for use through 10/31/2002. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# **UTILITY PATENT APPLICATION TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. PZ004G22YP1D1  
First Inventor Young et al.  
Title Secreted Proteins HFEAF41 (as amended)  
Express Mail Label No.

## **APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

## **ADDRESS TO:**

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17) (in duplicate)  
(Submit an original, and a duplicate for fee processing)

2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.

3. ☒ Specification [Total Pages 222]

(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table,  
or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure

4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets     ]

5. ☒ Declaration [Total Pages 20]

a. ☐ Newly executed (original or copy)  
b. ☒ Copy from a prior application (37 CFR 1.63(d))

(for continuation/divisional with Box 17 completed)

i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in  
the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☒ Application Data Sheet. See 37 CFR 1.76.

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer  
Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R; or

ii. ☒ paper (161 pages)

c. ☒ Statements verifying identity of above copies

## **ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment from prior Appln. No. 096/154,707 filed  
09/17/1998 (5 counterparts 15 pgs.) and recordation cover  
sheet

10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney

11. ☐ English Translation Document (if applicable)

12. ☒ Information Disclosure Statement/ Form PTO/SB/08

13. ☒ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)  
(should be specifically itemized)

15. ☐ Certified copy of Priority Document(s)  
(if foreign priority is claimed)

16. ☒ **Other:** (a) Request Under 37 C.F.R. 1.821(e); and (b) Copy of  
Associate Power of Attorney from parent Application No.  
09/154,707

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:

☒ Divisional of prior application No: 09/966,262, filed October 1, 2001 Prior application information: Examiner Martinell, J. Group/Art Unit: 1638

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the  
accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted  
application parts.

## **18. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label

22195

or ☐ Correspondence address below

|                   |                    |          |                                   |                  |  |
|-------------------|--------------------|----------|-----------------------------------|------------------|--|
| NAME              |                    |          |                                   |                  |  |
| ADDRESS           |                    |          |                                   |                  |  |
| CITY              | STATE              | ZIP CODE |                                   |                  |  |
| COUNTRY           | TELEPHONE          | FAX      |                                   |                  |  |
| NAME (Print/Type) | Janet M. Martineau |          | Registration No. (Attorney/Agent) | 46,903           |  |
| SIGNATURE         |                    |          | Date                              | JANUARY 31, 2002 |  |

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Commissioner for Patents, Box Patent Application, Washington, DC 20231.

# FEE TRANSMITTAL

## for FY 2002

(Substitute form)

Patent fees are subject to annual revision.

Amount of payment **\$ 1,904.00**

### Complete if Known

|                        |               |
|------------------------|---------------|
| Application Number     | Unassigned    |
| Filing Date            | Herewith      |
| First Named Inventor   | YOUNG et al.  |
| Examiner Name          | Unassigned    |
| Group Art Unit         | Unassigned    |
| Attorney Docket Number | PZ004G22YP1D1 |

### METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **08-3425**

Deposit Account Name **Human Genome Sciences, Inc.**

- ☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17
- ☐ Applicant claims small entity status. See 37 CFR 1.27

☐ Payment Enclosed:

☐ Check ☐ Credit Card ☐ Money Order ☐ Other\*

### FEE CALCULATION

#### 1. BASIC FILING FEE

| Large Entity |          | Small Entity |          | Fee Description        | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |                        |          |
| 101          | 740      | 201          | 370      | Utility filing fee     | \$740.00 |
| 106          | 330      | 206          | 165      | Design filing fee      |          |
| 107          | 510      | 207          | 255      | Plant filing fee       |          |
| 108          | 740      | 208          | 370      | Reissue filing fee     |          |
| 114          | 160      | 214          | 80       | Provisional filing fee |          |

**SUBTOTAL (1) \$ 740.00**

#### 2. EXTRA CLAIM FEES

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 52                 | -20*         | 32             | \$18.00  |
| 10                 | -3*          | 7              | \$84.00  |
| Multiple Dependent |              | \$280.00       | 0.00     |

| Large Entity |          | Small Entity |          | Fee Description  |
|--------------|----------|--------------|----------|--|
| Fee Code     | Fee (\$) | Fee Code     | Fee (\$) |  |
| 103          | 18       | 203          | 9        | Claims in excess of 20                                     |
| 102          | 84       | 202          | 42       | Independent claims in excess of 3                          |
| 104          | 280      | 204          | 140      | Multiple dependent claim, if not paid                      |
| 108          | 84       | 209          | 42       | ** Reissue independent claims over original patent         |
| 110          | 18       | 210          | 9        | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2) \$ 1,164.00**

\* or number previously paid, if greater; For Reissues, see above

### FEE CALCULATION (continued)

| Fee Code | Large Entity Fee (\$) | Fee Code | Small Entity Fee (\$) | Fee Description  | Fee Paid |
|----------|-----------------------|----------|-----------------------|--|----------|
| 105      | 130                   | 205      | 65                    | Surcharge - late filing fee or oath  |          |
| 127      | 50                    | 227      | 25                    | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139      | 130                   | 139      | 130                   | Non-English specification  |          |
| 142      | 1,280                 | 242      | 640                   | Utility issue fee (or reissue)   |          |
| 195      | 300                   | 195      | 300                   | Publication fee for early, voluntary, or normal publication                |          |
| 179      | 740                   | 279      | 370                   | Request for Continued Examination (RCE)                                    |          |
| 098      | 130                   | 098      | 130                   | Processing fee, except in provisional applications                         |          |
| 126      | 180                   | 126      | 180                   | Submission of Information Disclosure Statement                             |          |
| 123      | 50                    | 123      | 50                    | Processing fee for provisional applications                                |          |
| 146      | 740                   | 246      | 370                   | Filing a submission after final rejection (37 CFR 1.129(a))                |          |
| 149      | 740                   | 249      | 370                   | For each additional invention to be examined (37 CFR 1.129(b))             |          |
| 145      | 100                   | 145      | 100                   | Certificate of correction  |          |
| 147      | 2,520                 | 147      | 2,520                 | Request for <i>ex parte</i> reexamination                                  |          |
| 099      | 8,800                 | 099      | 8,800                 | Request for <i>inter partes</i> reexamination                              |          |
| 148      | 110                   | 248      | 55                    | Statutory disclaimer   |          |
| 115      | 110                   | 215      | 55                    | Extension for reply within first month                                     |          |
| 116      | 400                   | 216      | 200                   | Extension for reply within second month                                    |          |
| 117      | 920                   | 217      | 460                   | Extension for reply within third month                                     |          |
| 118      | 1,440                 | 218      | 720                   | Extension for reply within fourth month                                    |          |
| 128      | 1,960                 | 228      | 980                   | Extension for reply within fifth month                                     |          |
| 119      | 320                   | 219      | 160                   | Notice of appeal   |          |
| 120      | 320                   | 220      | 160                   | Filing a brief in support of an appeal                                     |          |
| 121      | 280                   | 221      | 140                   | Request for oral hearing   |          |
| 122      | 130                   | 122      | 130                   | Petitions to the Commissioner  |          |
| 140      | 110                   | 240      | 55                    | Petition to revive unavoidably abandoned application                       |          |
| 141      | 1,280                 | 241      | 640                   | Petition to revive unintentionally abandoned application                   |          |
| 091      | 1,280                 | 091      | 1,280                 | Acceptance of an unintentionally delayed claim for priority                |          |
| 561      | 3                     | 561      | 3                     | Printed copy of patent, regular service                                    |          |
| 581      | 40                    | 481      | 40                    | Recording each patent assignment per property (times number of properties) |          |

Other fee (specify):

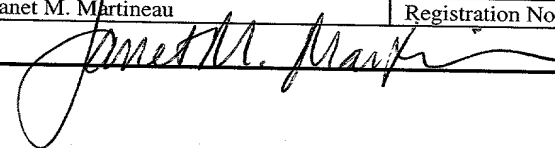
Other fee (specify):

Other fee (specify):

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) \$0.00**

### Submitted By

|  |                          |                        |
|--|--------------------------|------------------------|
| Name (Print/Type) Janet M. Martineau   | Registration No.: 46,903 | Telephone 301-315-2723 |
| Signature:  | Date: January 31, 2002   |                        |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Young et al.

Application Number: To be Assigned

Group Art Unit: To be Assigned

Filed: Herewith

Examiner: To be Assigned

Title: 87 Human Secreted Proteins

Atty. Docket No. PZ004G22YP1D1

**REQUEST UNDER 37 C.F.R. § 1.821(e)**

Commissioner for Patents  
Washington, D.C. 20231

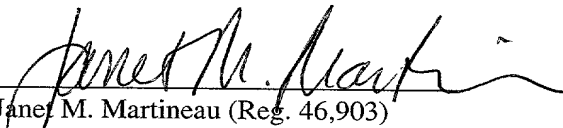
Sir :

The above-identified patent application is a divisional of, and claims priority under 35 U.S.C. § 120 to United States Patent Application No. 09/966,262, filed October 1, 2001, which is a continuation of, and claims priority under 35 U.S.C. § 120 to United States Patent Application No. 09/154,707, filed September 17, 1998. The sequence listing of the instant application is identical to the sequence content of the computer readable sequence listing filed in connection with Application Serial No. 09/154,707 filed on September 17, 1998.

In accordance with 37 C.F.R. § 1.821(e), please use the computer readable form filed in connection with application Serial No. 09/154,707 as the computer readable form for the instant application. It is understood that the Patent and Trademark Office will make the necessary change in application number and filing date for the computer readable form that will be used for the instant application. A paper copy of the Sequence Listing is included in the specification of the instant application filed herewith. Applicants hereby certify that the paper copy of the Sequence Listing filed herewith and the computer readable sequence listing filed on September 17, 1998 in connection with application Serial No. 09/154,707 are the same and do not include new matter.

Respectfully submitted,

Date: January 31, 2002

  
Janet M. Martineau (Reg. 46,903)  
Attorney for Applicants

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KKH/JMM/KC/mlm